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## INDEX TO AMERICAN BOTANICAL LITERATURE

1921

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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- Adams, J. F.** Observations on the spores of *Sichzophyllum commune*. *Torreya* **21**: 98-100. D 1921. [Illust.]
- Allen, W. E.** Some work on marine phytoplankton. *Trans. Am. Micr. Soc.* **40**: 177-181. O 1921.
- Allen, W. E.** The investigation of ocean pasturage. *Ecology* **2**: 215-219. 3 D 1921.
- Ames, O.** Additions to the orchid flora of Panama. *Proc. Biol. Soc. Washington* **34**: 149-154. 21 D 1921.  
Includes 7 new species.
- Ames, O.** *Eria gigantea*. Gigantic eria. *Addisonia* **6**: 41, 42, *pl.* 213. 24 O 1921.
- Anderson, E. G.** The inheritance of salmon silk color in maize. *Cornell Univ. Agr. Exp. Sta. Mem.* **48**: 539-554. N 1921.
- Anderson, P. J., & Ickis, M. G.** Massachusetts species of *Helvella*. *Mycologia* **13**: 201-229. *pl.* 11, 12. 8 O 1921.
- Arthur, J. C.** Memoranda and index of cultures of Uredineae, 1899-1917. *Mycologia* **13**: 230-262. 8 O 1921.
- Ashe, W. W.** Notes on *Rhododendron*. *Rhodora* **23**: 177-179. 24 O 1921.

- Bailey, L. H.** *Magnolia stellata*. *Addisonia* 6: 37, 38. *pl.* 211. 24 O 1921.
- Ball, C. R.** Notes on willows of sections *Pentandreae* and *Nigrae*. *Bot. Gaz.* 72: 220-236. *f.* 1-4. 15 O 1921.  
Includes 2 new varieties of *Salix* from California.
- Barker, E. E.** Bud variation in the sugar cane. *Jour. Hered.* 12: 271-274. *f.* 27. 23 S 1921.
- Bechtel, A. R.** The floral anatomy of the Urticales. *Am. Jour. Bot.* 8: 386-410. *pl.* 15-22. 14 N 1921.
- Bird, H.** Soil acidity in relation to insects and plants. *Ecology* 2: 193-197. 3 D 1921.
- Birge, E. A., & Juday, C.** Further limnological observations on the Finger Lakes of New York. *Bull. Bur. Fisheries* 37: 211-252. *f.* 1-5. 8 O 1921.  
Includes notes on plankton botany.
- Blakeslee, A. F., Cartledge, J. L., & Welch, D. S.** Sexual dimorphism in *Cunninghamella*. *Bot. Gaz.* 72: 185-219. *f.* 1. 15 O 1921.
- Boynton, K. R.** *Bergenia crassifolia*. Thick-leaved saxifrage. *Addisonia* 6: 43. *pl.* 214. 24 O 1921.
- Boynton, K. R.** *Helichrysum bracteatum*. Strawflower. *Addisonia* 6: 46. *pl.* 215. 24 O 1921.
- Bradshaw, R. V.** *Cynosurus echinatus* in Oregon. *Torreyia* 21: 81-83. O 1921.
- Braun, E. L.** Composition and source of the flora of the Cincinnati (Ohio) region. *Ecology* 2: 161-180. *f.* 1. 3 D 1921.
- Briggs, G.** Para and *Paspalum*: two introduced grasses of Guam. *Guam Agr. Exp. Sta. Bull.* 1: 1-44. *pl.* 1-6. 2 D 1921.
- Britton, E. G.** *Clerodendron Thompsonae*. Mrs. Thompson's clerodendron. *Addisonia* 6: 39, 40. *pl.* 212. 24 O 1921.
- Britton, N. L.** *Lathyrus latifolius*. Everlasting pea. *Addisonia* 6: 35. *pl.* 210. 24 O 1921.
- Britton, N. L.** Plant nomenclature: more suggestions. *Jour. Bot.* 59: 296, 297. O 1921.
- Brotherston, R. P.** The pentstemon. *Gard. Chron.* 70: 208. 22 O. 1921.

- Burlingame, L. L.** Variation and heredity in *Lupinus*. Am. Nat. 55: 427-448. f. 1-3. O 1921.
- Cayla, V.** A propos de la qualité du caoutchouc d'*Hevea brasiliensis*, ses variations, leurs causes. Importance économique pour la production de l'Amazonie. Arch. Escol. Super. Agr. e Med. Veter. 5: 81-96. S 1921.
- Chace, E. M., Wilson, C. P., & Church, C. G.** The composition of California lemons. U. S. Dept. Agr. Bull. 993: 1-18. f. 1-4. 15 O 1921.
- Chamberlain, C. J.** Growth rings in a monocotyl. Bot. Gaz. 72: 293-304. f. 1-16. 15 N 1921.
- Clark, A. H.** A new classification of animals. Bull. Instit. Oceanogr. 400: 1-24. 20 S 1921.  
Includes a summary of plant classification.
- Clements, F. E.** Drouth periods and climatic cycles. Ecology 2: 181-188. 3 D 1921.
- Coker, W. C., & Beardslee, H. C.** The collybias of North Carolina. Jour. Mitchell Sci. Soc. 37: 83-107. pl. 1 + f. 4-23. D 1921.  
Includes *Collybia lilacina*, sp. nov.
- Cook, F. C.** Absorption of copper from the soil by potato plants. Jour. Agr. Research 22: 281-287. 29 O 1921.
- Cook, M. T.** The blossom blight of the peach. Phytopathology 11: 290-294. pl. 12. 15 N 1921.
- Cook, M. T.** Falling foliage. Phytopathology 11: 337-339. 9 D 1921.
- Cook, M. T.** Peach yellows and little peach. Bot. Gaz. 72: 250-255. pl. 6, 7. 15 O 1921.
- Cook, M. T.** Wilting caused by walnut trees. Phytopathology 11: 346. 9 D 1921.
- Cook, O. F.** Causes of shedding in cotton. Jour. Hered. 12: 199-204. f. 3-6. 23 S 1921.
- Coville, F. V.** Directions for blueberry culture, 1921. U. S. Dept. Agr. Bull. 974: 1-24. pl. 1-29. 15 O 1921.
- Creswell, C. F., & Bidwell, G. L.** Composition of cotton seeds. U. S. Dept. Agr. Bull. 948: 1-221. pl. 1 + maps 1-11. 10 S 1921.

- Dana, B. F.** Two new *Sclerotinia* diseases. *Phytopathology* 11: 225-228. *pl.* 8. 6 O 1921.
- Doolittle, S. P.** Overwintering of the bacterial wilt of cucurbits. *Phytopathology* 11: 299, 300. 15 N 1921.
- Dupler, A. W.** The air chambers of *Reboulia hemisphaerica*. *Bull. Torrey Club* 48: 241-252. *f.* 1-22. 13 D 1921.
- Ehlers, J. H.** *Panicum virgatum* var. *cubense* in Michigan. *Rhodora* 23: 200. 15 D 1921.
- Eldridge, A. E.** Woodland flowers of the prairie region. *Am. For.* 27: 714-716. N 1921. [Illustr.]
- Emerson, F. W.** Subterranean organs of bog plants. *Bot. Gaz.* 72: 359-374. *f.* 1-11. 15 D 1921.
- Emerson, R. A.** Genetic evidence of aberrant chromosome behavior in maize endosperm. *Am. Jour. Bot.* 8: 411-424. *f.* 1. 14 N 1921.
- Ensign, M. R.** Area of vein-islets in leaves of certain plants as an age determinant. *Am. Jour. Bot.* 8: 433-441. *pl.* 23. 19 D 1921.
- Evans, A. W.** The genus *Riccardia* in Chile. *Trans. Connecticut Acad. Sci.* 25: 93-209. *f.* 1-13. D 1921.  
Includes 3 new species and 17 new combinations.
- Fairman, C. E.** The fungi of our common nuts and pits. *Proc. Rochester Acad. Sci.* 6: 73-115. *pl.* 15-20. S 1921.  
Includes *Schizocapnodium*, gen. nov., and 27 new species in various genera.
- Fehlinger, H.** Brasilianische Faserpflanzen. *Tropenpflanzer* 24: 173-176. D 1921.
- Fujioka, M., & Takahashi, K.** On the cause of the darkening of the heartwood of *Cryptomeria japonica* Don. *Jour. For.* 19: 844-866. D 1921.
- Gardner, G. A.** Observations sur les articles du Reverend Père Fontanel, S. J. *Nat. Canad.* 48: 49-56. S 1921.
- Gardner, M. W., & Gilbert, W. W.** Field tests with cucumber angular leafspot and anthracnose. *Phytopathology* 11: 298, 299. 15 N 1921.
- Gardner, M. W., & Kendrick, J. B.** Soybean mosaic. *Jour. Agr. Research* 22: 111-113. *pl.* 18 19. 8 O 1921.